

SEP 22 1980

DATE
SUBJECT Litton Industries, Springfield, Missouri, Possible Groundwater Pollution from Waste Disposal Lagoons

FROM Martha R. Steincamp
Attorney, LEGL

TO Robert Morby
Chief, HAZM

Thru: Terry Satterlee Watt
Chief, LEGL

Louise D. Jacobs
Director, ENFC

David A. Wagoner
Director, ARHM

Site	7-22-80
ID#	
Rev	7-1-80
Other	

Handwritten: 12M, H, 10/2/80, [Signature]

EPA has received a number of complaints regarding possible groundwater contamination due to percolation from unlined waste disposal lagoons at the Litton Industries facility in Springfield, Missouri (the lagoons were engineered to percolate). These letters have also gone to everyone, Doug Costle, Eagleton, the governor, Danforth, etc. Don Toensing of the Enforcement Division Compliance Branch has contacted MDNR concerning a lawsuit they filed against Litton Industries alleging pollution of groundwater due to percolation from the unlined lagoons and several washovers or spills from these supposedly non-discharging lagoons. Don has more specific information on possible settlement of this lawsuit.

Because of the nature of these complaints, I feel that Hazardous Materials should be aware of this problem if they aren't already, and monitor to assure that groundwater pollution problems are abated. I don't know any more facts on this case, but it seems that some sort of remedial measures need to be taken to assure that there is no percolation and/or spills from these waste lagoons. Eventually Litton Industries will discharge to the city of Springfield, however, Springfield will not be able to accept the waste for some time because there's no sewer line to Litton's plant. Please contact Don Toensing at x2576 if you have additional questions.

Attachments

NOTE: This form is to be completed by the person who is responsible for the site information. The information should be based on the site records and may be updated on subsequent forms as a result of additional inquiries and on-site inspections.

GENERAL INSTRUCTIONS: Complete Sections I and III through X as completely as possible before Section II is completed. File this form in the Regional Hazardous Waste Log File and submit a copy to: U.S. Environmental Protection Agency, Site Tracking System, Hazardous Waste Enforcement Task Force (EN-335), 401 M St., SW, Washington, DC 20460.

I. SITE IDENTIFICATION

A. SITE NAME <u>Lifton Industries</u>		B. STREET (or other identifier)	
C. CITY <u>Springfield</u>	D. STATE <u>Mo</u>	E. ZIP CODE	F. COUNTY NAME
G. OWNER (if known) <u>Lifton Industries</u>		H. TELEPHONE NUMBER	
I. TYPE OF OWNERSHIP <input type="checkbox"/> 1. FEDERAL <input type="checkbox"/> 2. STATE <input type="checkbox"/> 3. COUNTY <input type="checkbox"/> 4. MUNICIPAL <input checked="" type="checkbox"/> 5. PRIVATE <input type="checkbox"/> 6. UNKNOWN			
J. SITE DESCRIPTION <u>precipitating industrial waste lagoon</u>			
K. HOW IDENTIFIED (i.e., citizen's complaints, OSHA citations, etc.) <u>Mo Dept of Health Complaint - 10-5-79</u>		L. DATE IDENTIFIED (mo., day, & yr.) <u>10-5-79</u>	
M. PRINCIPAL STATE CONTACT 1. NAME <u>Jim Penfold</u>		2. TELEPHONE NUMBER <u>314-751-3241</u>	

II. PRELIMINARY ASSESSMENT (complete this section last)

A. APPARENT SERIOUSNESS OF PROBLEM <input type="checkbox"/> 1. HIGH <input type="checkbox"/> 2. MEDIUM <input type="checkbox"/> 3. LOW <input type="checkbox"/> 4. NONE <input type="checkbox"/> 5. UNKNOWN		
B. RECOMMENDATION <input type="checkbox"/> 1. NO ACTION NEEDED (no hazard) <input type="checkbox"/> 2. IMMEDIATE SITE INSPECTION NEEDED a. TENTATIVELY SCHEDULED FOR _____ b. WILL BE PERFORMED BY _____ <input type="checkbox"/> 3. SITE INSPECTION NEEDED a. TENTATIVELY SCHEDULED FOR _____ b. WILL BE PERFORMED BY _____ <input type="checkbox"/> 4. SITE INSPECTION NEEDED (low priority)		
C. PREPARED BY INFORMATION 1. NAME _____ 2. TELEPHONE NUMBER _____ 3. DATE (mo., day, & yr.) _____		

III. SITE INFORMATION

A. SITE STATUS <input checked="" type="checkbox"/> 1. ACTIVE (Those industrial or municipal sites which are being used for waste treatment, storage, or disposal on a continuing basis, even if intermittently.) <input type="checkbox"/> 2. INACTIVE (Those sites which no longer receive wastes.) <input type="checkbox"/> 3. OTHER (specify) _____ (Those sites that include such incidents like "midnight dumping" where no regular or continuing use of the site for waste disposal has occurred.)		
B. IS GENERATOR ON SITE? <input type="checkbox"/> 1. NO <input type="checkbox"/> 2. YES (specify generator's four-digit SIC code) _____		
C. AREA OF SITE (in acres)	D. IF APPARENT SERIOUSNESS OF SITE IS HIGH, SPECIFY COORDINATES 1. LATITUDE (deg.-min.-sec.) _____ 2. LONGITUDE (deg.-min.-sec.) _____	
E. ARE THERE BUILDINGS ON THE SITE? <input type="checkbox"/> 1. NO <input type="checkbox"/> 2. YES (specify) _____		

DATE AUG 1 1980

SUBJECT Litton System, Inc., Springfield, Missouri

FROM Harry U. Gilmer *HUG*
Chemical Engineer, TECH/SVAN

TO Billy J. Fairless, Ph.D.
Acting Chief, Technical Services Branch, SVAN

Litton Systems is a producer of printed integrated circuit boards which involves some electroplating.

They do not have an NPDES permit claiming no discharge. The state has issued a letter of approval allowing discharge to a lagoon for percolation. The pollutant concentration was not to exceed the ground-water levels.

The state alleges that:

1. Overflows from the industrial waste containment lagoon are occurring and entering a sinkhole.
2. Contamination is occurring through percolation.
3. The lagoon contains contaminants higher than agreed upon in the letter of approval.
4. Discharges are occurring from a sanitary lagoon.

The principal contaminants are copper and ammonia which have been detected in springs test wells.

Jim Penfold, Chief of the Compliance Review Section has a tentative meeting with Litton in early September to discuss corrective action. Within two years, Litton is expected to be connected to the city sewer system after appropriate pretreatment. Jim Penfold is concerned with action during this interim period.

DATE

October 12, 1979

SUBJECT

Litton Industries Industrial Lagoon, Northwest of Springfield, Missouri

FROM

Martha R. Steincamp
Attorney, Legal Branch

TO

Michael J. Sanderson
Chief, Compliance Branch

Attached hereto is a spill report received on October 5, 1979. The sketchy information on the spill report indicates that the Litton Industries industrial lagoon periodically overflows or leaks. Apparently, the reported spill went into a ~~single~~ basin.

Sink hole

Are we aware of this situation and/or is it something we should take some action on? In view of the geology of this region, perhaps we should consider the possibility of groundwater contamination.

Attachment

OIL SPILL REPORT

Day Report #: _____ Received by: Longston
Spill Report # 051092 1735 Date received: 5 10 79
Day Mo. Year

Distribution:

EPC-LEGL

Other _____

Time received: 17:35
Military

Reported by: Name William Paitel I. Spiller

Position _____ Name _____

Company Mo. Div. of Health Company Litter Industries

Street Address _____ Street Address N.W. 1st

City, State, Zip _____ City, State, Zip Springfield Mo

Telephone (314) 893-2481 Telephone () _____

2. Spill Began: Time: _____ Date: Unknown
Military Day Mo. Year

Spill Discovered: Time: 17:23 Date: 5 10 79
Military Day Mo. Year

Name and Position of person discovering spill: Reported to Paitel

Mark Goodwin 417-836-1100 Ext 1244

3. SPILL

a. Description of Spill (cause, source, other pertinent events pertaining to spill)

material spilled into a sink hole basin

b. Name of material spilled: Industrial Lagoon

Is it oil? YES or NO Is it hazardous? YES or NO

c. Total amount spilled (estimate): Unknown

d. Location of spill (street, city or county, state, legal description, or possible or proximity to landmarks): _____

f. Is the discharged material in a waterway (drainage ditch, river, stream, creek, lake, etc.)? YES or NO

i. Name and description of waterway _____

ii. What is the waterway a tributary to? _____

iii. Amount of material spilled into waterway? (estimate) _____

iv. Public water supply directly involved or threatened: _____

v. Public water supply officials informed: _____

g. Is the discharged material threatening a waterway? (i.e., if not cleaned up, material may reach a waterway due to rain, etc.) YES or NO

i. Distance from waterway (estimate) _____

ii. Name and description of waterway _____

iii. What is the threatened waterway a tributary to? _____

4. Does responsible request assistance? YES or NO

5. State notified? YES or NO

Time: 18:30

a. Who? Jim Odendahl

Telephone: ()
Military

b. Will they respond? YES or NO

c. State contact person _____

6. Will EPA be on the scene? YES or NO

If not, why? _____

* * * * *

Reviewing Attorney _____

Date _____

Action Taken _____

attempted to contact Raitel - no
response -

Mark Goodson (w/ Eggfld paper) also
couldn't be reached.

Contacted Hentge - refused me to
Odenolahl. -

O. indicated this
to be a known problem. Apparently
the facility took steps to correct the problem
of overflow from their lagoon some years
ago but "likely it leaking now or has
been breached". O. didn't think the
problem to be severe. Asked me to call him
if I got more information and then he would
arrange to have the state look into it.

21:30 Finally reached Raitel.

He had been contacted by Goodson
asking for an opinion as to the toxicity
of this water. Water said to contain:

57.6 mg/l Cu

0.8 " Chron

0.9 " Zn

1.1 " Na

2.1 As.

+ Pb, Sn, Cd.

3.500 Greene County
Litton Industries

September 26, 1979

Mr. James K. Dow
Facilities Manager
Advanced Circuitry Division
P.O. Box 2847 C.S.S.
Springfield, MO 65802

Dear Mr. Dow:

This is to confirm our visit of September 25, 1979.

Two violations of Regulation 10 CSR 20-7.010 were noted. An overflow from the copper waste lagoon had occurred and additionally sanitary wastes from the irrigation site were entering the sinkhole.

It is our opinion that adequate planning and operation could have prevented both violations. The letter of approval for operation, issued February 18, 1976, specified, as a condition of approval, that influent flow as well as basin percolation rates be determined. Influent flow measurements would have brought to your attention the problems of extraneous flows in days or weeks rather than months. Irrigation of sanitary wastewater only during periods when the soil is not saturated, and moving the irrigation equipment periodically should prevent the direct discharge to the sinkhole. In numerous visits to the plant, the irrigation header has always been in the one general area just southwest of the large sinkhole.

Your cooperation in preventing a recurrence of the conditions found during our visit will be expected. If you have any questions, please advise.

Yours truly,

Ed Sears
Environmental Specialist III
Springfield Regional Office
Department of Natural Resources

ES/jo

cc: Mr. Bob Hentges - Water Pollution Control Program
Mr. Bob Corson - City of Springfield

11387

NOTICE OF VIOLATION

Missouri Clean Water Law
Chapter 204, RSMo, 1975 Supplement

MISSOURI DEPARTMENT OF NATURAL RESOURCES

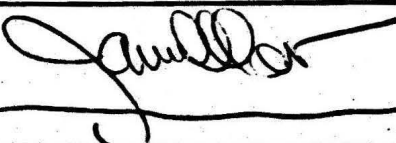
Division of Environmental Quality
Water Quality Program
P.O. Box 1368
Jefferson City, Missouri 65101

SEPT. 25, 1979

Name ADVANCED CIRCUITRY, LITTON IND. Permit No. NONE
Address P.O. Box 2847 City SPRINGFIELD Phone 417/862-0751
4811 W. KEARNEY
Nature of violation _____

Discharge from copper waste holding
lagoon to adjacent sinkhole.

Statute, standard, rule or regulation violated 10 CSR 20-7.010 (copy attached)

X 

Ed Sears
Representative, Department of Natural Resources